

IN THE CLAIMS

Please amend the claims as follows:

1. **(Currently Amended)** A camshaft comprising:
a shaft formed by cold forging with a powdery lubricant applied to ~~[[a]]~~ an etched
surface thereof; and
a cam mounted on said shaft;
said cam being press-fitted over said shaft.
2. **(Previously Presented)** A camshaft according to claim 1, wherein said
powdery lubricant comprises lime or borax.
3. **(Previously Presented)** A camshaft according to claim 1, wherein said shaft
has a cut surface defined on a side thereof by shearing.
4. **(Previously Presented)** A camshaft according to claim 1, wherein said cam
has a shaft insertion hole defined therein by punching.
5. **(Previously Presented)** A camshaft according to claim 1, further comprising:
a gear mounted on said shaft;
said gear being press-fitted over said shaft.
6. **(Previously Presented)** A camshaft according to claim 5, wherein said gear is
made of synthetic resin and has a metal bushing disposed centrally therein, said metal
bushing being press-fitted over said shaft.

7. **(Previously Presented)** A camshaft according to claim 1, wherein said shaft has a step providing different diameters on both sides thereof, said cam being positioned by abutment against said step.

8. **(Currently Amended)** A method of manufacturing a cam for a camshaft of an engine, comprising the steps of:

performing preliminary profile upsetting on a forging blank having a volume which is greater than a final product by a predetermined amount, thereby forming a first cold-forged body which is thicker than the final product,

said first cold-forged body having a rough shape which has an outer profile greater ~~that~~ than that of the final product; performing profile drawing on said first cold-forged body to form a second cold-forged body, said second cold-forged body having excessive material that has flowed along a profile of an outer circumferential surface that corresponds to a shape of the final product being formed as a burr on an outer surface thereof;

punching said second cold-forged body to form inner and outer surfaces simultaneously thereon, thereby forming a third cold-forged body with said burr removed from the outer surface, said third cold-forged body further having a relief hole which is smaller in diameter than a shaft insertion hole for the camshaft;

pressing said third cold-forged body to form a fourth cold-forged body having a predetermined thickness and including an excessive material formed as a burr on the inner surface thereof, while an outer circumferential surface of said third cold-forged body is constrained by a die surface;

punching said fourth cold-forged body to remove said burr from said inner surface, thereby forming a fifth cold-forged body having a hole corresponding to said

shaft insertion hole; and

ironing said fifth cold-forged body simultaneously on inner and outer surfaces thereof, thereby forming a final product.

9. **(Previously Presented)** A method according to claim 8, wherein when the preliminary profile upsetting is performed on the forging blank, first and second beveled facets are formed on peripheral portions of said first cold-forged body.

10. **(Previously Presented)** A method according to claim 9, wherein said first beveled facet is formed on a peripheral portion of a first surface of the first cold-forged body, which is positioned near the burr formed by profile drawing on the outer surface, and said second beveled facet is formed on a peripheral portion of a second surface of the first cold-forged body opposite to said first surface, said first beveled facet having an area greater than said second beveled facet.

11. **(Previously Presented)** A method of manufacturing a shaft for a camshaft of an engine, comprising the steps of:

coating an outer circumferential surface of a cylindrical blank with a powdery lubricant;

axially pressing an end of said blank to draw said blank into a workpiece having a plurality of diameters;

axially pressing said end of the workpiece, and fixing an opposite end of the workpiece to expand a portion thereof radially outwardly into an annular expanded portion; and

axially pressing said annular expanded portion into a flange while drawing the workpiece into a workpiece having a plurality of diameters;

wherein said steps of axially pressing the end of said blank and axially pressing the end of said workpiece are performed by cold forging.

12. **(Previously Presented)** A method according to claim 11, wherein said powdery lubricant comprises lime or borax.

13. **(Previously Presented)** A method according to claim 11, further comprising the step of:

forming a cut surface on a side of said workpiece by shearing.

14. **(New)** A camshaft according to claim 1, wherein said etched surface is formed using oxalic acid.